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Model #: PDUMV30NET

Switched, Metered PDU with Remote Monitoring - 0U Vertical Rackmount Power Distribution Unit for Networks with Individually Switchable Outlets, Current Metering, Remote Monitoring and Control

Highlights

- 70-in. 0U vertical switched rack PDU with digital current monitoring, remote control and temperature/humidity monitoring capability
- 120V 30A maximum total capacity with attached L5-30P input plug and 24 x 5-15/20R individually controllable outlets arranged in two separately breakered 12-outlet load banks
- Provides capability to turn on, turn off, recycle or lock out power to each individual outlet
- Programmable or real-time outlet power control via built-in Web/network monitoring and control card
- Automatic sequential outlet turn-on prevents inrush-related equipment interaction on startup
- Cord retention brackets keep vital equipment plugs connected



Description

Tripp Lite's PDUMV30NET Switched, Metered Rack Power Distribution Unit provide a variety of advanced network control and monitoring functions. They give IT managers the ability to remotely monitor PDU power consumption and in-rack environmental conditions, and to turn on, turn off, recycle or lock out power to each individual receptacle. Switched PDU systems can be accessed, configured and controlled through secure Web, SNMP or Telnet interfaces. Individually switched outlets can be controlled via a built-in Web/network interface, enabling remote reboots of unresponsive network hardware. User-defined power-up and power-down outlet sequences ensure proper operation of interdependent IT systems and prevent inrush-related overloads as devices are powered on. Programmable load shedding of less critical devices at user-defined intervals extends UPS uptime in response to power failures. Unused PDU outlets can be electronically locked off to prevent powering of unauthorized hardware. PDU power consumption is displayed locally and can be monitored via the Web/network interface, with user-defined alarms to warn of potential overloads before critical IT mains or branch breakers trip. An optional ENVIROSENSE temperature/humidity probe enables remote monitoring of in-rack environmental conditions and alarms for up to three user-supplied contact-closure sensors. Supports real-time monitoring, notification and logging of all on-board reporting functions with user-specified alarm thresholds and actions for each reported condition.

The PDUMV30NET supports 30A maximum capacity at 120V (agency de-rated to 24A). Includes attached L5-30P input plug and 24 x 5-15/20R switched outlets arranged in two separately breakered 12-outlet load banks. Visual and remote current monitoring tracks output current. Supports 0U vertical rackmount installation with included rackmount brackets. Toolless button-mount installation supported in compatible racks. Included cord retention brackets keeps vital network equipment plugged in and continuously powered.

Applications

- Ideal for network configurations requiring a switched, metered and monitored PDU supporting individual outlet rebooting, load shedding and remote web/network current monitoring of critical networking components

Package Includes

- Rackmount PDU
- Rackmount brackets

Features

- 120V 30A maximum capacity (agency de-rated to 24 amps) Switched, Metered and Monitored Power Distribution Unit (PDU) with built-in web/network interface in 0U vertical rack form factor
- Includes attached L5-30P input plug and 24 x 5-15/20R controllable outlets arranged in two 12-outlet load banks
- Supports individually controllable output receptacles, current metering, network monitoring and remote control via built-in Web/network monitoring and control card
- Provides the ability to turn on, turn off, recycle or lock out power to each individual PDU receptacle on a programmable or real-time basis
- Switchable outlets enable a number of advanced networking abilities, such as remote reboot on-demand of locked IT equipment, custom power-on/power-off outlet sequencing, automatic load shedding of optional loads during power failures and disabling unused outlets to prevent the connection of unauthorized equipment loads
- Remote interface provides data regarding input power conditions, load level and individual outlet power status via secure network or web browser interface
- Supports notification and logging of all major power events and user-specified alarm thresholds
- Optional ENVIROSENSE temperature and humidity probe enables remote monitoring of environmental conditions and the ability to report conditions from up to two contact-closure sensors
- Optional ENVIROSENSE probe also supports the connection of up to three user-supplied contact-closure sensors to selectively notify, monitor and log reported conditions, such as rack door access
- DHCP/Manual configuration support enables network settings to be automatically assigned to the card, or manually assigned via permanent IP addresses
- 10/100 Mbps auto-sensing allows optimal communication compatibility with your current 10/100 Base-T network
- Real-time clock support maintains the time of day and date even if the PDU is shut down and unpowered
- 2-tier level access enables an administrator and a guest to log into the web browser for monitoring and/or management of all intelligent PDUs and similarly equipped UPS systems
- Alert notifications via email or SNMP traps provide immediate event notification
- Protocols supported include HTTP, HTTPS, PowerAlert Network Management System, SMTP, SNMPv1, SNMPv2, Telnet, FTP, DHCP, BOOTP, NTP
- Front panel ammeter with pushbutton toggle switch displays power consumption for all three loading segments (12 outlets in bank 1, 12 outlets in bank 2 and total load of banks 1 and 2 combined)
- On initial power-up, outlets are automatically energized at 250 millisecond intervals to prevent inrush-related equipment interaction and mains circuit overloads
- Each 12-outlet bank is protected by a separate 20A circuit breaker
- Included cord retention brackets keep vital network equipment plugged in and continuously powered
- 70-in. 0U vertical rack installation supported with included rackmount brackets
- Toolless mounting supported in button-mount compatible racks

Specifications

| SYSTEM OVERVIEW | |
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| Voltage compatibility | 120V |
| Frequency compatibility | 50/60 Hz |
| OUTPUT | |
| Output nominal voltage | 120V |
| Outlet quantity / type | 24 x 5-15/20R |
| Customized load management receptacles | Each outlet is individually controllable via remote interface |
| Overload protection | Outlets are arranged in two separately breakered 20A banks. 12 upper outlets are protected by the upper circuit breaker; 12 lower outlets are protected by the lower circuit breaker |
| INPUT | |
| Maximum input amps | 30A maximum (Agency de-rated to 24A continuous) |
| Input connection type | Attached L5-30P input plug |
| Input cord length | 10 ft./3m |

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|---------------------------------------|--|
| Recommended Electrical Service | 120V |
| LEDS ALARMS & SWITCHES | |
| Front panel LEDs | 24 power availability LEDs confirm power off/on status for each built-in outlet. Two additional LEDs with toggle button identify which bank the visual current meter is reporting (load bank 1, load bank 2, or load banks 1 and 2 combined) |
| Switches | Pushbutton switch near the current display toggles the display to show load bank 1 power consumption, load bank 2 power consumption, or load banks 1 and 2 combined power consumption |
| PHYSICAL | |
| Shipping weight (lbs) | 16.5 |
| Shipping weight (kg) | 7.5 |
| Shipping Dimensions (HWD/in) | 4 x 6 x 72.5 |
| Shipping Dimensions (HWD/cm) | 10.2 x 15.2 x 184 |
| Unit weight (lbs) | 11.5 |
| Unit weight (kg) | 5.2 |
| Unit Dimensions (HWD/in) | 70 x 2.19 x 4.25 |
| Unit Dimensions (HWD/cm) | 177.8 x 5.6 x 10.8 |
| Form factors supported | 0U vertical rackmount; includes rackmount brackets. Supports toolless mounting in button-mount compatible racks |
| Style | Vertical Rackmount |
| ENVIRONMENTAL | |
| Relative Humidity | 0-95% non-condensing |
| COMMUNICATIONS | |
| SNMP compatibility | Pre-installed SNMPWEBCARD provides remote monitoring via web, telnet, and SNMP management systems. Remote management gives user ability to turn connected loads on or off individually |
| CERTIFICATIONS | |
| Certifications | Tested to UL 60950-1 (USA, Canada), Class A (Emissions), NOM (Mexico), RoHS compliant |
| WARRANTY | |
| Product Warranty Period | 2 years |

Related Items

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|----------------------------|--|-----------------|
| Extended Warranties | | |
| WEXT3-PDU-NET | 3-Year Extended Warranty - For Switched PDUs ending with NET | Qty: [optional] |
| WEXT5-PDU-NET | 5-Year Extended Warranty - For Switched PDUs ending with NET | Qty: [optional] |

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| Power Cables | | |
| P006-006 | Power Cable - 6-ft. AC Power Cord, NEMA 5-15P to IEC-320-C13 | Qty: [optional] |
| P010-012 | Power Cable - 12-ft. AC Power Cord, NEMA 5-15P to IEC-320-C13 | Qty: [optional] |
| P044-06I | Power Cable - 6-in. AC Power Adapter Cable, NEMA-5-20P to NEMA-L5-20R | Qty: [optional] |
| P007-010 | Heavy-Duty Power Cable - 10 ft. C13 to 5-15P Power Cable | Qty: [optional] |
| P049-010 | Heavy-Duty Power Cable - 10 ft. C19 to 5-20P Power Cable | Qty: [optional] |

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| Rack Accessories | | |
| SRCABLERING2U | 2U Horizontal Cable Manager (Flexible ring type.) | Qty: [optional] |

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| SRCABLERING1U | 1U Horizontal Cable Manager (Flexible ring type.) | Qty: [optional] |
| SRCABLEDUCT1U | 1U Horizontal Cable Manager (Finger duct with cover.) | Qty: [optional] |
| SNMP Accessories | | |
| ENVIROSENSE | Monitors temperature, humidity and contact-closure inputs. (Requires SNMPWEBCARD or switched PDU.) | Qty: [optional] |

More information, including related products, owner's manuals, and additional technical specifications, can be found online at www.tripplite.com/en/products/model.cfm?txtModelID=3763.